

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED: Christian Hospital Northeast 11133 Dunn Road St. Louis, MO 63136		2. NRC/REGIONAL OFFICE U.S. Nuclear Regulatory Commission Region III 2443 Warrenville Road Suite 210 Lisle, Illinois 60532-4351	
REPORT 2006-001 & -002			
3. DOCKET NUMBER(S) 030-02382	4. LICENSEE NUMBER(S) 24-13383-01	5. DATE(S) OF INSPECTION June 7, 2006	

**LICENSEE:**  
The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

1. Based on the inspection findings, no violations were identified.

2. Previous violation(s) closed.

3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, NUREG-1600, to exercise discretion, were satisfied.

\_\_\_\_\_ Non-Cited Violation(s) was/were discussed involving the following requirement(s) and Corrective Action(s):

4. During this inspection certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.

(Violations and Corrective Actions)

**Licensee's Statement of Corrective Actions for Item 4, above.**

I hereby state that, within 30 days, the actions described by me to the inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

Title	Printed Name	Signature	Date
LICENSEE'S REPRESENTATIVE			
NRC INSPECTOR	Deborah A. Piskura		6/07/06

**Docket File Information**  
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AND COMPLIANCE INSPECTION**



1. LICENSEE <b>Christian Hospital Northeast</b> <b>REPORT 2006-001 &amp; 2006-002</b>		2. NRC/REGIONAL OFFICE <b>Region III</b> <b>2443 Warrenville Road, Suite 210</b> <b>Lisle, IL 60532</b>	
3. DOCKET NUMBER(S) 030-02382	4. LICENSE NUMBER(S) 24-13383-01	5. DATE(S) OF INSPECTION June 7, 2006	
6. INSPECTION PROCEDURES USED 87130, 87131 and 87132		7. INSPECTION FOCUS AREAS 03.01, 03.02, 03.03, 03.04, 03.05, 03.06, 03.07, and 03.08	
<b>SUPPLEMENTAL INSPECTION INFORMATION</b>			
1. PROGRAM CODE(S) 02240	2. PRIORITY G 2	3. LICENSEE CONTACT Andy Zhu, Ph.D., RSO	4. TELEPHONE NUMBER 314.653.5810
<input checked="" type="checkbox"/> Main Office Inspection		Next Inspection Date: <u>June 2008</u>	
<input checked="" type="checkbox"/> Field		<u>11155 Dunn Road, Suite 101E, St. Louis, MO (Rad. Oncology)</u>	
<input type="checkbox"/> Temporary Job Site			

**PROGRAM SCOPE**

This licensee was a large hospital, authorized to use licensed material permitted by Sections 35.100, 35.200, 35.300, 35.400, 35.600 (Ir-192 in an HDR unit) and 35.1000 (I-125 Gliasite Radiotherapy System). The nuclear medicine department was staffed with four full-time and one part-time technologists who performed approximately 300-350 diagnostic nuclear medicine procedures per month. The licensee received unit doses and bulk Tc-99m from a licensed radiopharmacy. The hospital performed a full spectrum of nuclear diagnostic imaging studies. Typically, in a year the hospital administered 20 iodine-131 thyroid carcinoma therapies and 20-25 hyperthyroidism treatments. The hospital obtained its I-131 in capsule form only. The department occasionally administered Sm-153 dosages for treatment of metastatic bone disease. The licensee's RSO conducted audits the radiation safety program on a quarterly basis.

The radiation therapy activities were performed by a contract medical physicist and one in-house dosimetrist. Brachytherapy activities included I-125 permanent implants (25 cases annually) and Cs-137 temporary gynecological implants (1-2 cases annually). Although the licensee was approved for 35.600 (Ir-192 within an HDR unit) and 35.1000 I-125 Iotrex material, the hospital had neither acquired these materials nor administered these treatments to date.

This inspection consisted of interviews with licensee personnel, a review of selected records, tours of the nuclear medicine and radiation oncology departments, and independent measurements. The inspector observed licensee nuclear medicine personnel prepare, assay and administer several unit doses for various imaging procedures. The inspector also observed the administration of two I-131 dosages for treatment of hyperthyroidism. The inspection included observations of dose calibrator QA checks, package receipts and surveys, and area surveys. The inspector also observed a medical physicist perform a physical inventory of the licensee's brachytherapy sources.